

Patent Abstracts of Japan

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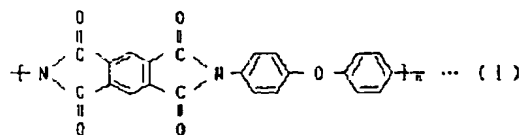
APPLICATION DATE : 22-08-90
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APPLICANT : TORAY IND INC;

INVENTOR : AWAZU NAOAKI;

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TITLE : SEPARATING PAWL FOR COPYING MACHINE



ABSTRACT : PURPOSE: To provide the separating pawl which withstands the temp. of the fixing roll of a high-speed copying machine. maintains the front end shape with substantially no change and obviates the sticking of toners by subjecting a resin compsn. prepd. by kneading a polyimide resin expressed by specific constitutional formula and a fluororesin at a specific ratio to compression molding and calcining.

CONSTITUTION: The polytetrafluoroethylene (PTFE) resin is added at the specific compounding ratio to the polyimide resin formed by bringing pyromellitic anhydride and diaminodiphenyl methane into reaction and the mixture is mixed by a mixer. The polyimide resin is added at 40 to 90wt.% and the fluororesin at 60 to 10wt.% at this time. The compd. obtd. as shown by the constitutional formula (I) is compression molded in such a manner. The molding is thereafter sintered for about 4 hours at about 380°C in a nitrogen atmosphere. The heat resistance and the release property of paper are improved in this way and a coating stage is omitted at the time of production. A paper jam is prevented even if some wear at the pawl tip arises.

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